

AMENDMENTS TO THE CLAIMS:

Without prejudice, this listing of the claims replaces all prior versions and listings of the claims in the present application:

LISTING OF THE CLAIMS:

1-5. (Canceled).

6. (Currently Amended) A method for providing digital data transmission of sensor values from a sensor to a control unit, the sensor values generated from characteristics measured by the sensor, the method comprising:

dividing the sensor values ~~of the sensor~~ for data transmission at different resolutions, the sensor values forming a first range of values including successive sensor values; and
dividing the first range of values as a function of a variable relevant for the control unit.

7. (Previously Presented) The method as recited in Claim 6, wherein:

the variable is a second range of sensor values for threshold values of a triggering algorithm for a restraining device, and

the sensor values in the second range of values are transmitted from the sensor to the control unit at a higher resolution.

8. (Previously Presented) The method as recited in Claim 7, wherein the second range of values is selected from a lower half of the first range of values.

9. (Previously Presented) The method as recited in Claim 6, wherein the method is executed by a transmitter module in the sensor.

10. (Previously Presented) The method as recited in Claim 6, wherein the method is executed by a receiver module in a control unit.

11. (Previously Presented) The method as recited in Claim 6, wherein:

the variable is a second range of sensor values for threshold values of a triggering algorithm for a restraining device,

the sensor values in the second range of values are transmitted from the sensor to the control unit at a higher resolution,

the second range of values is selected from a lower half of the first range of values,
and

the operations are executed by a transmitter module in the sensor.

12. (Previously Presented) The method as recited in Claim 6, wherein:

the variable is a second range of sensor values for threshold values of a triggering algorithm for a restraining device,

the sensor values in the second range of values are transmitted from the sensor to the control unit at a higher resolution,

the second range of values is selected from a lower half of the first range of values,
and

the operations are executed by a receiver module in a control unit.